

TOPOGRAPHIC SURVEY CONTROL POINT RECORD

STATION LONG NAME	MU24
STATION NUMBER	MU24
4 CHAR ID	MU24
COUNTRY	IRAQ
LOCATION	AL MUTHANA
SURVEYING AGENCY	IGRS
DATE (OF DESCRIPTION)	04 JULY 05

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	X		1
OFFICE COORDINATE VALUES	X		1
STATION MONUMENT & SITE DETAILS	X		1
STATION DIAGRAM	X		1
ACCESS MAP	X		1
ACCESS DESCRIPTION	X		1
APPROACH PHOTOGRAPHS	X		1
CARDINAL POINT PHOTOGRAPHS	X		2

RECORD OF VISITS

DATE OF VISIT	NAME	UNIT	REMARKS

ADDITIONAL DETAILS/ENCLOSURES

CONTENTS	NO OF PAGES

FIELD COORDINATE VALUES

STATION LONG NAME	MU24
4 CHAR ID	MU24
STATION NUMBER	MU24

THIS STATION IS NEW	NO
NEARLY IDENTICAL WITH	-

FIELD VALUES

FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N	31° 26' 38.05"
LONGITUDE E	45° 40' 45.57"
HT (M)	+06
GRID ZONE DESIGNATOR	38R
MGRS GRID	38R NV 64550 78999
SURVEYING AGENCY	IGRS

FIELD INPUT BY: LCPL AVIS	UNIT: IGRS	DATE: 04 JULY 2005
FIELD CHECKED BY: SPR LOCKHART	UNIT: IGRS	DATE: 04 JULY 2005

OFFICE COORDINATE VALUES

WGS 84 ADJUSTED VALUES AS AT: 25 Aug 05

LATITUDE N	31° 26' 38.03685"
LONGITUDE E	045° 40' 45.61236"
SPHEROIDAL HT (M)	4.530
EGM96 GEOID MODEL HT (M)	-9.500
ORTHOMETRIC HT (M)	14.030
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY	0.013
RELATIVE HEIGHT ACCURACY	0.015
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

LOCAL DATUM VALUES AS AT: 25 Aug 05

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

STATION MONUMENT AND SITE DETAILS

STATION LONG NAME: MU24	
STATION NUMBER: MU24	4 CHAR ID: MU24
LOCATION: AL MUTHANA	COUNTRY: IRAQ
STATION ADDRESS:N/A	
TEL:N/A	FAX: N/A
LAND OWNER ADDRESS: N/A	
TEL: N/A	FAX: N/A
TYPE OF MARK: PILLAR	
CONDITION: GOOD	
MARK SETTING:FINE POINT	NO OF REBARS:N/A

MONUMENT PHOTO / SKETCH



PREPARED BY: LCPL AVIS	UNIT: IGRS	DATE: 04 JULY 2005
CHECKED BY: SPR LOCKHART	UNIT: IGRS	DATE: 04 JULY 2005

STATION DIAGRAM

STATION LONG NAME: MU24

STATION NUMBER: MU24

4 CHAR ID: MU24

NOT TO SCALE

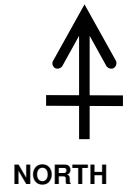
DIRT TRACK

BRICK HUT

EMBANKMENT

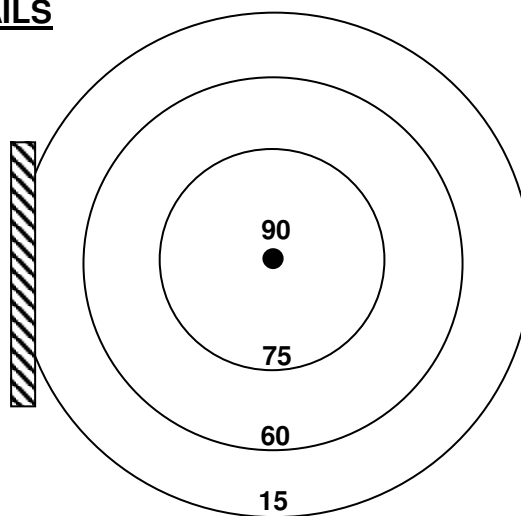
MU24

MSR



NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE(M)
1	ORANGE PICKET	230°	28
2	ORANGE PICKET	326°	27
3	SW CORNER OF BRICK HUT	50°	8
4	ORANGE PICKET	140°	20

OBSCURITY DETAILS



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ACCESS MAP

STATION LONG NAME: MU24

STATION NUMBER: MU24

4 CHAR ID: MU24

MAP DETAILS

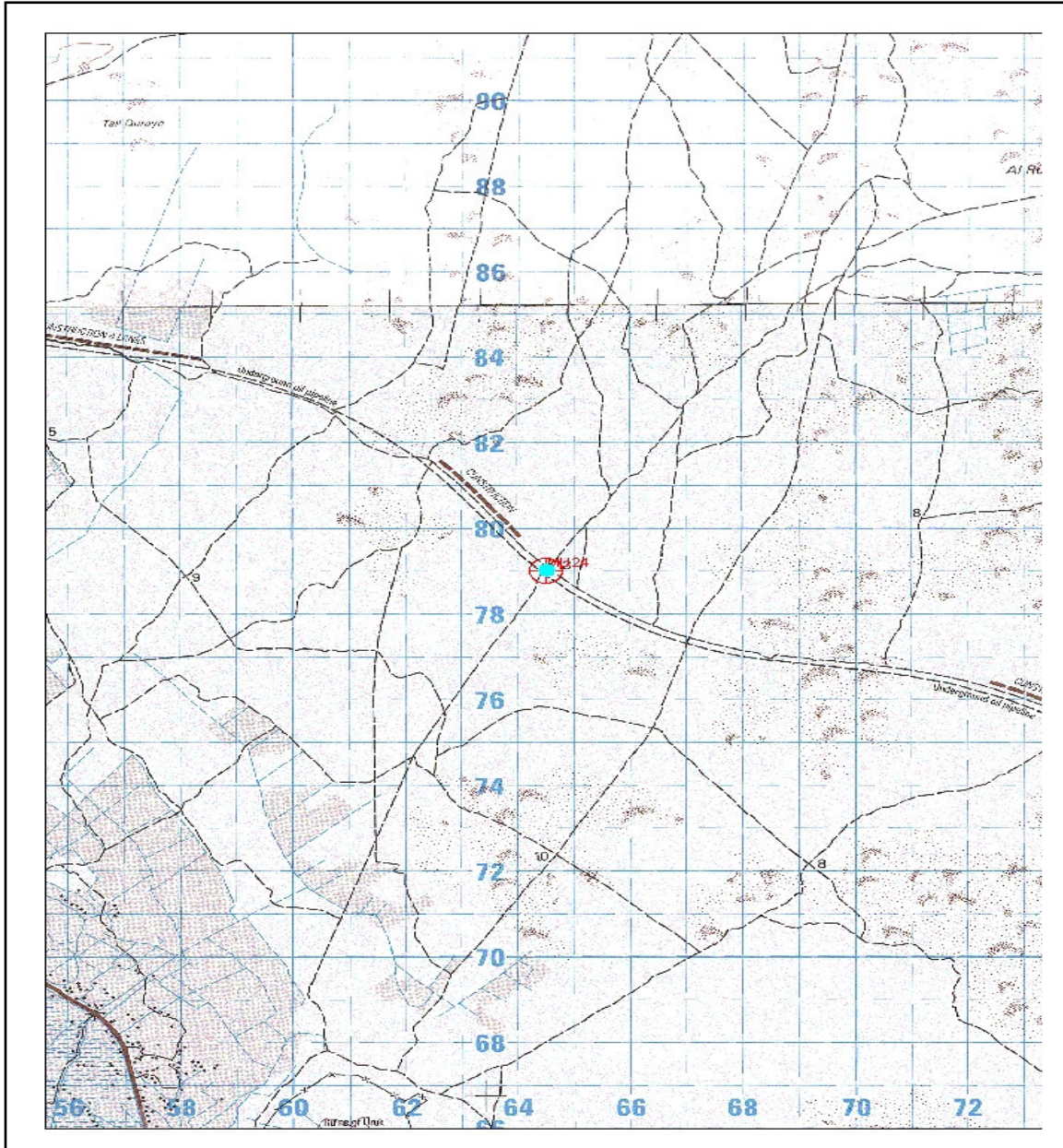
SERIES: K643

SHEET: 5152

EDITION: 1-NIMA

SCALE: 1:100,000

GR: 38R NV 64550 78999



PREPARED BY: LCPL AVIS

UNIT: IGRS

DATE: 04 JUL 2005

CHECKED BY: SPR LOCKHART

UNIT: IGRS

DATE: 04 JUL 2005

ACCESS DESCRIPTION

STATION LONG NAME: MU24		
STATION NUMBER: MU24		4 CHAR ID: MU24

MAP DETAILS	SERIES: K643	SHEET: 5152
EDITION: 1-NIMA	SCALE: 1:100,000	GR: 38R NV 64550 78999

From gr 38R NV 265 610, join main route at gr 38R NV 305 605, and travel south east for approximately 75km. Turn north west onto main route at gr 38R NV 960 415 and travel approximately 55km. Point is located on the south side of the MSR on top of a small hill. It is clearly visible from the MSR. Trig pillar gr is 38R NV 645 790.

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APPROACH PHOTOGRAPHS

STATION LONG NAME: MU24	
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NEAR APPROACH FACING NORTH



FAR APPROACH FACING NORTH



TAKEN BY: SPR LOCKHART	DATE TAKEN: 04 JULY 2005
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CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU24	
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NORTH



SOUTH



TAKEN BY: SPR LOCKHART	DATE TAKEN: 04 JULY 2005
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CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU24	
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EAST



WEST



TAKEN BY: SPR LOCKHART	DATE TAKEN: 04 JUL 2005
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